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RAPID AIR DEFENSE EVALUATION SYSTEM  
(RAIDES)

**TRAINING COURSE / CURRICULUM OUTLINE**

Prepared For:

Department of the Army  
Joint Tactical Fusion Program  
1500 Planning Research Drive  
McLean, VA 22102-5099

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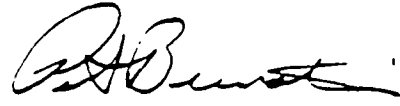
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19. ABSTRACT (Continue on reverse if necessary and identify by block number)  This document was developed as a training/curriculum outline manual for the US Army's Rapid Air Defense Evaluation System (RAIDES). There are five manuals for RAIDES. RAIDES was developed by Systems Control Technology, Inc. Palo Alto, CA for the Joint Tactical Fusion Program Management Office (JTFPMO). RAIDES is a derivative of USAFE's Force Level Automated Planing System (FLAPS) and was extensively modified to incorporate a Blue versus Red situation display for the US Army air defenders. The RAIDES program consists of two major stand-alone software programs: the SUPR program which defines a 3-D real-world statespace area where the US Army air defenders would operate; and RAIDES which provides Blue survivability estimates for Red attacking forces given a specific battlefield scenarior and real-world threat. This manual compliments the RAIDES Student Training Course Guide and Positional Handbook that are used with the JTFPMO's Portable Analyst Workstation (PAWS) and is intended to help the instructor/students to plan a RAIDES training course and to make arrangements to properly conduct a training class. Individuals to be trained should be air defenders or those individuals interested in air defense deployment <i>the brief</i>				
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## FORWARD

This Training/Curriculum Outline is intended to help the instructor and sponsors of the Rapid Air Defense Evaluation System (RAIDES) Training Course to plan the course and make sufficient arrangements to properly conduct the class. The RAIDES program is a air defense deployment evaluation system, which is designed to aid in the asset deployment decision making process.

## COURSE DATA

### Course Objective

The individuals to be trained should be air defenders, or those interested in air defense deployment. Normally, these individuals will be army corpsmen who will be using the program in the field.

### Physical Requirements

There are no special physical requirements to operate the program.

### Security Clearance

The program software is unclassified, however in the field, it operates on databases classified to the NATO SECRET level.

### Prerequisite Training

No special prerequisite training is required.

### Instructional Materials

To conduct this course the following materials are required:

- 1 set of Instructor/Lesson Guides,
- 1 set of accompanying 35mm slides,
- 1 set of overhead viewgraphs,
- 1 Student's Training Course Guide for each student,
- 1 PAWS hardware suite for each 3 students, equipped with RAIDES and an unclassified demonstration scenario,
- 1 Positional Handbook for each PAWS suite,
- 1 Overhead Viewgraph projector, and
- 1 35mm slide projector.

Also, a blackboard or other means of drawing figures visible to students during classroom instruction is recommended.

## OUTLINE OF INSTRUCTION SUMMARY

<u>Unit</u>	<u>Classroom</u>	<u>Application</u>	<u>Total</u>
I INTRODUCTION TO RAIDES	1	2	3
II GETTING STARTED IN RAIDES	1	1	2
III USING THE DATABASE MANAGER	.75	1.25	2
IV THE RAIDES DISPLAY	.75	1.25	2
V REDEPLOYING ASSETS WITH RAIDES	1	2	3
VI CREATING MINIMUM RISK ROUTES	.5	.5	1
VII MODIFYING ROUTES WITH RAIDES	.5	1.5	2
VIII OBSERVING MULTIPLE ROUTE COORDINATION	.5	.5	1
IX STATESPACE GENERATION	.5	.5	1
<hr/>			
TOTAL	6.5	10.5	17

	<u>Hours</u>	<u>Percent of Total</u>
Classroom	6.5	38%
Practical Application	10.5	62%
<hr/>		
TOTAL	17	100%

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		<u>Classroom</u>	<u>Application</u>	<u>Total</u>
I.	INTRODUCTION TO RAIDES	1		3
	A. Overview			
	B. RAIDES Functions			
	C. Summary			
	D. Application		2	
II.	GETTING STARTED IN RAIDES	1		2
	A. Overview			
	B. Hardware Suite & Logon Procedures			
	C. Popup Menu Operation			
	D. Text Menu Operation			
	E. Summary			
	F. Application		1	
III.	USING THE DATABASE MANAGER	.75		2
	A. Overview			
	B. Database Structure			
	C. Database Functions			
	D. Report Generator			
	E. Summary			
	F. Application		1.25	

	<u>Classroom</u>	<u>Application</u>	<u>Total</u>
IV. THE RAIDES DISPLAY	.75		2
A. Overview			
B. Graphics Displays			
C. Map Displays			
D. Summary			
E. Application		1.25	
V. REDEPLOYING ASSETS WITH RAIDES	1		4
A. Overview			
B. Modify			
C. What If			
D. Summary			
E. Application		2	
VI. CREATING MINIMUM RISK ROUTES WITH RAIDES	.5		1
A. Overview			
B. Tasking Input			
C. Creating Routes			
D. Outputting Routes			
E. Summary			
F. Application		.5	

		<u>Classroom</u>	<u>Application</u>	<u>Total</u>
VII.	MODIFYING ROUTES WITH RAIDES	.5		2
	A. Overview			
	B. Getting In to Manual			
	C. Manual Functions			
	D. Summary			
	E. Application		1.5	
VIII.	OBSERVING MULTIPLE ROUTE COORDINATION	.5		1
	A. Overview			
	B. Getting In to Time Phase			
	C. Time Phase Functions			
	D. Summary			
	E. Application		.5	
IX	CREATING AND UPDATING A STATESPACE	.5		.5
	A. Overview			
	B. Input Threat Data			
	C. Threat Processing			
	D. Statespace Purging			
	E. Summary			
	F. Application		.5	